

What is claimed is:

1. A lubricating apparatus for a dry sump type engine, comprising:
a cylindrical relief valve, said cylindrical relief valve being disposed in
parallel to a main gallery and a crank shaft of the engine.

2. The lubricating apparatus for a dry sump type engine according to claim 1, wherein said relief valve is disposed in a horizontal direction.

3. The lubricating apparatus for a dry sump type engine according to claim 1, wherein said relief valve further comprises:

a generally L-shaped body, said L-shaped body being connected at one end to and in communication with the main gallery, said L-shaped body including a discharge port formed therein;

a cylindrical valve body movably received within said L-shaped body to open and close said discharge port; and

wherein when hydraulic pressure within said main gallery becomes a predetermined value, said cylindrical valve body is operated to open said discharge port to relieve the hydraulic pressure.

1 4. The apparatus for a dry sump type engine according to claim 1,
2 wherein said relief valve further comprises:

3 a generally L-shaped body, said L-shaped body including a long pipe
4 and a short pipe;
5 a cylindrical valve body slidably inserted in said long pipe;
6 a stopper for restricting movement of said cylindrical valve body in said
7 long pipe;
8 a spring for biasing said cylindrical valve body toward said stopper;
9 a spring stop for pressing said spring; and
10 a mounting portion formed integrally with said L-shaped body for
11 mounting said relief valve to a bottom wall portion of the main gallery.

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1 5. The lubricating apparatus for a dry sump type engine according to
2 claim 4, wherein said long pipe includes a discharge port formed therein, and
3 wherein when said cylindrical valve body is moved against the bias of said
4 spring, the discharge port is opened to allow hydraulic pressure in the main
5 gallery to be relieved.

1 6. The lubricating apparatus for a dry sump type engine according to
2 claim 1, further comprising:
3 a oil tank; and
4 a strainer for straining oil recovered in the oil tank, said strainer being
5 provided in said oil tank.

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7 wherein when hydraulic pressure within said main gallery becomes a
8 predetermined value, said cylindrical valve body is operated to open said
9 discharge port to relieve the hydraulic pressure.

7 a spring for biasing said cylindrical valve body toward said stopper; and
8 a spring stop for pressing said spring.

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10. The lubricating apparatus for a dry sump type engine according to claim 9, wherein said lead pipe includes a discharge port formed therein, and wherein when said cylindrical valve body is moved against the bias of said spring, the discharge port is opened to allow hydraulic pressure in the outlet of the oil filter to be relieved.

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11. A lubricating apparatus for a dry sump type engine, comprising:
an oil tank; and
a strainer for straining oil recovered in said oil tank is provided in said oil tank.

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12. A dry sump type engine, comprising:
a crank shaft mounted for rotation therein;
a main gallery extending in a longitudinal direction parallel to said crank shaft; and
a cylindrical relief valve, said cylindrical relief valve being disposed in parallel to said main gallery and said crank shaft.

13. The dry sump type engine according to claim 12, wherein said relief valve is disposed in a horizontal direction.

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14. The dry sump type engine according to claim 12, wherein said relief valve further comprises:

a generally L-shaped body, said L-shaped body being connected at one end to and in communication with the main gallery, said L-shaped body including a discharge port formed therein;

a cylindrical valve body movably received within said L-shaped body to open and close said discharge port; and

wherein when hydraulic pressure within said main gallery becomes a predetermined value, said cylindrical valve body is operated to open said discharge port to relieve the hydraulic pressure.

15. The apparatus for a dry sump type engine according to claim 12, wherein said relief valve further comprises:

a generally L-shaped body, said L-shaped body including a long pipe and a short pipe;

a cylindrical valve body slidably inserted in said long pipe;

a stopper for restricting movement of said cylindrical valve body in said long pipe;

a spring for biasing said cylindrical valve body toward said stopper;

a spring stop for pressing said spring; and

a mounting portion formed integrally with said L-shaped body for mounting said relief valve to a bottom wall portion of the main gallery.

1 16. The lubricating apparatus for a dry sump type engine according to
2 claim 15, wherein said long pipe includes a discharge port formed therein, and
3 wherein when said cylindrical valve body is moved against the bias of said
4 spring, the discharge port is opened to allow hydraulic pressure in the main
5 gallery to be relieved.

1 17. The lubricating apparatus for a dry sump type engine according to
2 claim 12, further comprising:
3 a oil tank; and
4 a strainer for straining oil recovered in the oil tank, said strainer being
5 provided in said oil tank.

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